WBLE-SL ► UECM140	04-202305-EZZ ► Quizzes ► 202306UECM14040E1b ► Review of preview	Jpdate this Quiz			
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Review of preview					
	Thursday, 29 June 2023, 05:57 PM				
Time taken	Thursday, 29 June 2023, 05:58 PM				
	0 out of a maximum of 10 (0%)				
1 🖢 Marks: 1	The risk-free force of interest δ_t at time t is given by: δ_t = 0.06, 0 < t \leq 15 = 0.09+0.003t, t $>$ 15 Calculate the accumulation at time t =20 of 600 invested at time t =10				
	Answer:				
	Make comment or override grade Incorrect Correct answer: 1651.5 Marks for this submission: 0/1.				
2 👺 Marks: 1	Find the nominal rate of interest convertible quarterly which is equivalent to a nominal rate of discount of 18% per annum convertible monthly.				
	Answer:				
	Make comment or override grade				
	Incorrect Correct answer: 0.185538 Marks for this submission: 0/1.				
3 ☑ Marks: 1	You are given two loans, with each loan to be repaid by a single payments in the future. Each payment include both principal and interest. The first loan is repaid by a 4300 pyament at the end of 4 years. The interest is accrued at 6% per annum compounded semiannually. These two loans are to be consolidated. The consolidated loan is to annum compounded semiannually. These two loans are to be consolidated. The consolidated loan is to repaid by two equal instalments of X, with interest 10% per annum compounded semiannually. The first payment is due immediately and the second payment is due one year from now. Calculate X.	be			
	Answer:				
	Make comment or override grade Incorrect				
	Correct answer: 3715.55 Marks for this submission: 0/1.				
4 🕏	At a certain interest rate the present value of the following two payment patterns are equal:				

Marks: 1

• 292 at the end of 10 years plus 587 at the end of 20 years. • 635.65 at the end of 10 years.

At the same interest ra	te, 146.0 invested now plus 352.0 inve	ested at the end of 10 years will accumulate to P at the end of 20 years. Calculate P
Answer:		<u> </u>
Make comment or over Incorrect Correct answer: 1027.2 Marks for this su	249929	
5 🔽 Marks: 1	You invest 4300 today and plan to in equal 6%, find n	vest another 2150 two years from today. You plan to withdraw 6,450 in n years and another 6,450 in n+5 years, exactly liquidating your investment account at that time. If the effective rate of discount is
	Answer:	
	Make comment or override grade	
	Incorrect Correct answer: 9.533171 Marks for this submission	n: 0/1.
6 ☑ Marks: 1	series of payments. You are given:	made at the end of years 9, 10 and 12, respectively. Interest is accumulated at an annual effective rate of 7%. You are to find the point in time at which single payment of 1740 is equivalent to the above
	 X is the point in time calculate Y is the exact point in time. 	by the method of equated time.
	Calculate X+Y	
	Answer:	
	Make comment or override grade	
	Incorrect Correct answer: 21.3032 Marks for this submission	n: 0/1.
7 🗹 Marks: 1		n effective annual rate of discount of 25% for the first two years and a force of interest of rate $\delta_t = 2t/(t^2 + 20)$, $2 \le t \le 4$, for the next two years. At the end of four years, the amount in Jeff's account is in the had put 100 into an account paying interest at the nominal rate of i per annum compounded quarterly for four years. Calculate i
	Answer:	
		X
	Make comment or override grade Incorrect	
	Correct answer: 0.252879 Marks for this submission	0.0/1
	rialks for this submission	1. U/ 1.
8 🔽 Marks: 1		nto a fund which credits interest at a nominal interest rate of 10% compounded semiannually. At the same time, he deposits P into a different fund which credits interest at a nominal discount rate of 6% represents the annual effective interest rate earned on the total deposit, 10000+P, over the 17-year period?
	Answer:	
	Make comment or override grade	
	Incorrect Correct answer: 0.078895 Marks for this submission	n: 0/1.
9 🗹 Marks: 1	_	st is charged over 4-year period, as follows:
	 an effective rate of discount of a nominal rate of discount of 5 a nominal rate of interest of 5 a force of interest of 6.5 for th 	5.7% compounded every 2 years for the second year; .0% compounded semiannually for the third year; and

Calculate the annua	al effective rate of interest over the 4-year	period
Answer:		
Make comment or of Incorrect Correct answer: 0. Marks for thi	-	
10 🗑 Marks: 1	Click the following link to answer the Then answer 1 here after submitting [Note: In order to enter the google f	https://forms.gle/Jgti2Eh6ep6qQpsc7
	Answer:	
	Make comment or override grade Incorrect Correct answer: 1 Marks for this submission	: 0/1.
		Moodle Docs for this page
		You are logged in as Yong Chin Khian (Logout)

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